



# CPSC203 – Introduction to Problem Solving and Using Application Software

Fall 2009

Tutorial 25, Mehrdad Nurolahzade

# Introduction

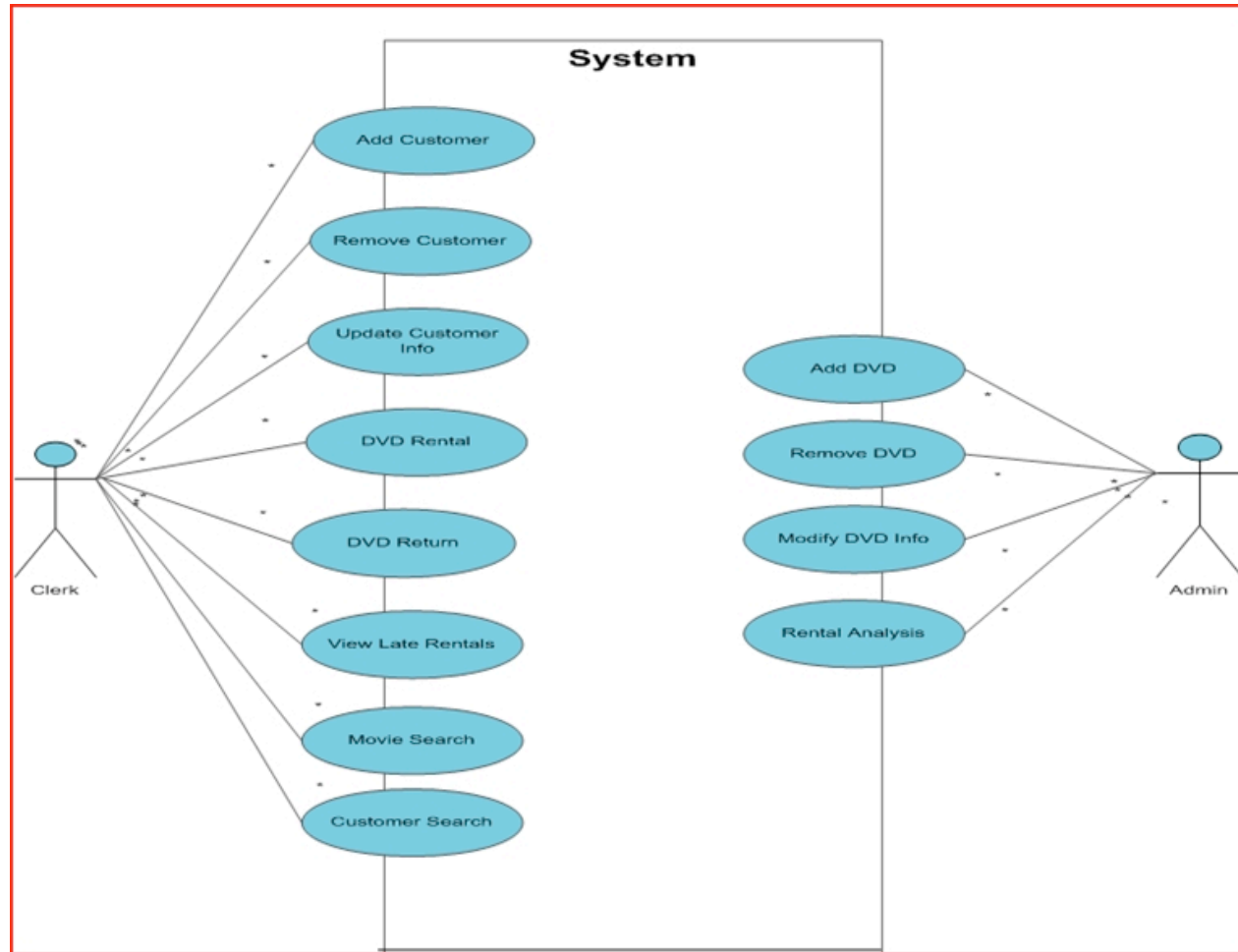
# Quiz #4 Groups

- **Group 1:** Dana Andrews, Leevon Bennett, Tyler Billington, Keith Blundell, Brittney Brown
- **Group 2:** Garrett Charlton, Gareth Dobson, Ryan Hadwell, Cyntia Hall, Scott Job, Min-Ha Kim
- **Group 3:** Megan Kramer, Marina Litwack, Jeremy Luzzi, Michael McEwen, Aaron Morrill, Alyssa Morrison
- **Group 4:** Colleen Parker, Tanya Puka, Alexis Sine, Omar Tabsh, Calvin Wong

# Quiz #4 Notes

- The quiz will be conducted on two labs (Dec 2 & 7).
- Groups will start working on the quiz this Wednesday (Dec 2).
- All group members should attend the first lab (Dec 2), or else the absent members will get a zero.
- Final submission will take place next Monday (Dec 7).
- There will be one submission for each group, and all group members take the same mark.

# DVD Rental Store



# Use Case: Add Customer

Name: Add Customer
Description: The system creates a membership account for a new customer.
Primary actors: Clerk
Secondary actors: None
Preconditions: The clerk is logged into the system.
Main flow: <ol style="list-style-type: none"><li>1. The clerk selects the "Create new membership" button</li><li>2. The clerk enters the customer information into the provided form</li><li>3. The clerk selects the "Enter" button</li><li>4. The system validates the information provided.</li><li>5. The system creates a new account, and provides the clerk with the new membership identification number.</li></ol>
Postconditions: <ol style="list-style-type: none"><li>1. A new membership account has been created.</li></ol>
Alternative flows: <ol style="list-style-type: none"><li>4.1 The email and/or telephone provided are invalid. The system returns an error message. The clerk re-enters the invalid field(s).</li><li>4.2 The customer already exists in the system. The system returns an error message.</li></ol>

# Use Case: DVD Rental

Name: DVD Rental
Description: The DVD is rented out to a member
Primary actors: Clerk
Secondary actors: None
Preconditions: <ol style="list-style-type: none"><li>1. The clerk is logged into the system.</li><li>2. The title or id of the DVD to be rented is available.</li></ol>
Main flow: <ol style="list-style-type: none"><li>1. The clerk selects the "Check out DVD" button.</li><li>2. The clerk enters the DVD name and the customer ID into the form provided.</li><li>3. The clerk selects the "Enter" button.</li><li>4. The system checks the member information.</li><li>5. The system checks that the DVD is available.</li><li>6. The DVD is set to unavailable and an expected return date is provided.</li></ol>
Postconditions: <ol style="list-style-type: none"><li>1. The DVD is set to unavailable on the system.</li><li>2. A record of the rental is created.</li></ol>
Alternative flows: <ol style="list-style-type: none"><li>4.1 The member has outstanding rentals. The rental is not allowed and the name of the unreturned DVD is displayed.</li><li>4.2 The member's membership has expired or the member does not exist on the system. The rental is not allowed.</li></ol>

# ER Diagram

